

These search results have not been confirmed by NIEHS and are therefore, not official. They are to be used only for general information and to inform the public and grantees on the breadth of research funded by NIEHS.

Viewing 46 publications

Print version (PDF)

(<http://www.niehs.nih.gov//portfolio/index.cfm/portfolio/sciencecodepubs/sc/75/topic/75/format/word>)

Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
A chemical-genetic screen to unravel the genetic network of CDC28/CDK1 links ubiquitin and Rad6-Bre1 ...	Zimmermann, Christine; Chymkowitch, Pierre; Eldholm, Vegard; Putnam, Christopher D; Lindvall, Jessica M; Omerzu, Manja; Bjørås, Magnar; Kolodner, Richard D; Enserink, Jorrit M	Proc Natl Acad Sci U S A (2011 Nov 15)	108 / 18748-53	PubMed Citation
A direct comparison of protein interaction confidence assignment schemes.	Suthram, Silpa; Shlomi, Tomer; Ruppin, Eytan; Sharan, Roded; Ideker, Trey	BMC Bioinformatics (2006 Jul 26)	7 / 360	PubMed Citation
A Network of Conserved Synthetic Lethal Interactions for Exploration of Precision Cancer Therapy.	Srivas, Rohith; Shen, John Paul; Yang, Chih Cheng; Sun, Su Ming; Li, Jianfeng; Gross, Andrew M; Jensen, James; Licon, Katherine; Bojorquez-Gomez, Ana; Klepper, Kristin; Huang, Justin; Pekin, Daniel; Xu, Jia L; Yeerna, Huwate; Sivaganesh, Vignesh; Kollenstart, Leonie; van Attikum, Haico; Aza-Blanc, Pedro; Sobol, Robert W; Ideker, Trey	Mol Cell (2016 Aug 04)	63 / 514-25	PubMed Citation
A systems approach to delineate functions of paralogous transcription factors: role of the Yap famil ...	Tan, Kai; Feizi, Hoda; Luo, Colin; Fan, Stephanie H; Ravasi, Timothy; Ideker, Trey G	Proc Natl Acad Sci U S A (2008 Feb 26)	105 / 2934-9	PubMed Citation
A systems approach to discovering signaling and regulatory pathways--or, how to digest large interac ...	Ideker, Trey	Adv Exp Med Biol (2004)	547 / 21-30	PubMed Citation

A systems approach to mapping DNA damage response pathways.	Workman, Christopher T; Mak, H Craig; McCuine, Scott; Tagne, Jean-Bosco; Agarwal, Maya; Ozier, Owen; Begley, Thomas J; Samson, Leona D; Ideker, Trey	Science (2006 May 19)	312 / 1054-9	PubMed Citation
A UV-induced genetic network links the RSC complex to nucleotide excision repair and shows dose-depe ...	Srivas, Rohith; Costelloe, Thomas; Carvunis, Anne-Ruxandra; Sarkar, Sovan; Malta, Erik; Sun, Su Ming; Pool, Marijke; Licon, Katherine; van Welsem, Tibor; van Leeuwen, Fred; McHugh, Peter J; van Attikum, Haico; Ideker, Trey	Cell Rep (2013 Dec 26)	5 / 1714-24	PubMed Citation
Advanced Applications of RNA Sequencing and Challenges.	Han, Yixing; Gao, Shouguo; Muegge, Kathrin; Zhang, Wei; Zhou, Bing	Bioinform Biol Insights (2015)	9 / 29-46	PubMed Citation
Bayesian network analysis of targeting interactions in chromatin.	van Steensel, Bas; Braunschweig, Ulrich; Filion, Guillaume J; Chen, Menzies; van Bemmel, Joke G; Ideker, Trey	Genome Res (2010 Feb)	20 / 190-200	PubMed Citation
Beyond Agar: Gel Substrates with Improved Optical Clarity and Drug Efficiency and Reduced Autofluore ...	Jaeger, Philipp A; McElfresh, Cameron; Wong, Lily R; Ideker, Trey	Appl Environ Microbiol (2015 Aug 15)	81 / 5639-49	PubMed Citation
Big data in chemical toxicity research: the use of high-throughput screening assays to identify pote ...	Zhu, Hao; Zhang, Jun; Kim, Marlene T; Boison, Abena; Sedykh, Alexander; Moran, Kimberlee	Chem Res Toxicol (2014 Oct 20)	27 / 1643-51	PubMed Citation
Challenges in identifying cancer genes by analysis of exome sequencing data.	Hofree, Matan; Carter, Hannah; Kreisberg, Jason F; Bandyopadhyay, Sourav; Mischel, Paul S; Friend, Stephen; Ideker, Trey	Nat Commun (2016 Jul 15)	7 / 12096	PubMed Citation

Checkpoint kinases regulate a global network of transcription factors in response to DNA damage.	Jaehnig, Eric J; Kuo, Dwight; Hombauer, Hans; Ideker, Trey G; Kolodner, Richard D	Cell Rep (2013 Jul 11) 4 / 174-88	PubMed Citation
Chemogenetic profiling identifies RAD17 as synthetically lethal with checkpoint kinase inhibition.	Shen, John Paul; Srivas, Rohith; Gross, Andrew; Li, Jianfeng; Jaehnig, Eric J; Sun, Su Ming; Bojorquez-Gomez, Ana; Licon, Katherine; Sivaganesh, Vignesh; Xu, Jia L; Klepper, Kristin; Yeerna, Huwate; Pekin, Daniel; Qiu, Chu Ping; van Attikum, Haico; Sobol, Robert W; Ideker, Trey	Oncotarget (2015 Nov 3) 6 / 35755-69	PubMed Citation
CIIPro: a new read-across portal to fill data gaps using public large-scale chemical and biological ...	Russo, Daniel P; Kim, Marlene T; Wang, Wenyi; Pinolini, Daniel; Shende, Sunil; Strickland, Judy; Hartung, Thomas; Zhu, Hao	Bioinformatics (2016 Oct 14) /	PubMed Citation
Coevolution within a transcriptional network by compensatory trans and cis mutations.	Kuo, Dwight; Licon, Katherine; Bandyopadhyay, Sourav; Chuang, Ryan; Luo, Colin; Catalana, Justin; Ravasi, Timothy; Tan, Kai; Ideker, Trey	Genome Res (2010 Dec) 20 / 1672-8	PubMed Citation
Combined TP53 mutation/3p loss correlates with decreased radiosensitivity and increased matrix-metal ...	Raju, Sharat C; Hauff, Samantha J; Lemieux, Aaron J; Orosco, Ryan K; Gross, Andrew M; Nguyen, Linda T; Savariar, Elamprakash; Moss, William; Whitney, Michael; Cohen, Ezra E; Lippman, Scott M; Tsien, Roger Y; Ideker, Trey; Advani, Sunil J; Nguyen, Quyen T	Oral Oncol (2015 May) 51 / 470-5	PubMed Citation

Critical evaluation of human oral bioavailability for pharmaceutical drugs by using various cheminfo ...	Kim, Marlene T; Sedykh, Alexander; Chakravarti, Suman K; Saiakhov, Roustem D; Zhu, Hao	Pharm Res (2014 Apr)	31 / 1002-14	PubMed Citation
Developing Enhanced Blood-Brain Barrier Permeability Models: Integrating External Bio-Assay Data in ...	Wang, Wenyi; Kim, Marlene T; Sedykh, Alexander; Zhu, Hao	Pharm Res (2015 Sep)	32 / 3055-65	PubMed Citation
Dissection of DNA damage responses using multiconditional genetic interaction maps.	Guénolé, Aude; Srivas, Rohith; Vreeken, Kees; Wang, Ze Zhong; Wang, Shuyi; Krogan, Nevan J; Ideker, Trey; van Attikum, Haico	Mol Cell (2013 Jan 24)	49 / 346-58	PubMed Citation
Dynamic reprogramming of transcription factors to and from the subtelomere.	Mak, H Craig; Pillus, Lorraine; Ideker, Trey	Genome Res (2009 Jun)	19 / 1014-25	PubMed Citation
ERCC1 and TS Expression as Prognostic and Predictive Biomarkers in Metastatic Colon Cancer.	Choueiri, Michel B; Shen, John Paul; Gross, Andrew M; Huang, Justin K; Ideker, Trey; Fanta, Paul	PLoS One (2015)	10 / e0126898	PubMed Citation
Evolutionary divergence in the fungal response to fluconazole revealed by soft clustering.	Kuo, Dwight; Tan, Kai; Zinman, Guy; Ravasi, Timothy; Bar-Joseph, Ziv; Ideker, Trey	Genome Biol (2010)	11 / R77	PubMed Citation
Forging new ties between <i>E. coli</i> genes.	Ideker, Trey	Cell (2008 Jun 27)	133 / 1135-7	PubMed Citation
Functional maps of protein complexes from quantitative genetic interaction data.	Bandyopadhyay, Sourav; Kelley, Ryan; Krogan, Nevan J; Ideker, Trey	PLoS Comput Biol (2008 Apr 18)	4 / e1000065	PubMed Citation
Genome-wide fitness and expression profiling implicate Mga2 in adaptation to hydrogen peroxide.	Kelley, Ryan; Ideker, Trey	PLoS Genet (2009 May)	5 / e1000488	PubMed Citation
Inferring pathway activity toward precise disease classification.	Lee, Eunjung; Chuang, Han-Yu; Kim, Jong-Won; Ideker, Trey; Lee, Doheon	PLoS Comput Biol (2008 Nov)	4 / e1000217	PubMed Citation
Integrated assessment and prediction of transcription factor binding.	Beyer, Andreas; Workman, Christopher; Hollunder, Jens; Radke, Dörte; Möller, Ulrich; Wilhelm,	PLoS Comput Biol (2006 Jun 16)	2 / e70	PubMed Citation

Integrated Proteomic and Genomic Analysis of Gastric Cancer Patient Tissues.	Thomas; Ideker, Trey Yan, Julia Fangfei; Kim, Hoguen; Jeong, Seul-Ki; Lee, Hyoung-Joo; Sethi, Manveen K; Lee, Ling Y; Beavis, Ronald C; Im, Hogune; Snyder, Michael P; Hofree, Matan; Ideker, Trey; Wu, Shiaw-Lin; Paik, Young-Ki; Fanayan, Susan; Hancock, William S	J Proteome Res 14 / (2015 Dec 4) 4995-5006	PubMed Citation
Integrating physical and genetic maps: from genomes to interaction networks.	Beyer, Andreas; Bandyopadhyay, Sourav; Ideker, Trey	Nat Rev Genet 8 / 699-710 (2007 Sep)	PubMed Citation
Mechanism Profiling of Hepatotoxicity Caused by Oxidative Stress Using Antioxidant Response Element ...	Kim, Marlene Thai; Huang, Ruili; Sedykh, Perspect () Alexander; Wang, Wenyi; Xia, Menghang; Zhu, Hao	Environ Health 124 / 634-41	PubMed Citation
Network-based classification of breast cancer metastasis.	Chuang, Han-Yu; Lee, Eunjung; Liu, Yu-Tsueng; Lee, Doheon; Ideker, Trey	Mol Syst Biol 3 / 140	PubMed Citation
Opinion: Big data biomedicine offers big higher education opportunities.	Van Horn, John Darrell	Proc Natl Acad Sci U S A 113 / 6322-4 (2016 Jun 07)	PubMed Citation
Perspectives on the DNA damage and replication checkpoint responses in <i>Saccharomyces cerevisiae</i> .	Putnam, Christopher D; Jaehnig, Eric J; Kolodner, Richard D	DNA Repair 8 / 974-82 (Amst) (2009 Sep 2)	PubMed Citation
Predictive Modeling of Estrogen Receptor Binding Agents Using Advanced Cheminformatics Tools and Mas ...	Ribay, Kathryn; Kim, Marlene T; Wang, Wenyi; Pinolini, Daniel; Zhu, Hao	Front Environ Sci (2016 Mar) 4 /	PubMed Citation
Protein networks in disease.	Ideker, Trey; Sharan, Roded	Genome Res 18 / 644-52 (2008 Apr)	PubMed Citation
Proteome-wide remodeling of protein location and function by stress.	Lee, KiYoung; Sung, Min-Kyung; Kim, Jihyun; Kim, Kyung; Byun, Junghyun; Paik, Hyojung; Kim, Bongkeun; Huh, Won-Ki; Ideker, Trey	Proc Natl Acad Sci U S A 111 / E3157-66 (2014 Jul 29)	PubMed Citation

Quantitative proteomics reveal ATM kinase-dependent exchange in DNA damage response complexes.	Choi, Serah; Srivas, Rohith; Fu, Katherine Y; Hood, Brian L; Dost, Banu; Gibson, Gregory A; Watkins, Simon C; Van Houten, Bennett; Bandeira, Nuno; Conrads, Thomas P; Ideker, Trey; Bakkenist, Christopher J	J Proteome Res 11 / 4983-91 (2012 Oct 5)	PubMed Citation
Rewiring of genetic networks in response to DNA damage.	Bandyopadhyay, Sourav; Mehta, Monika; Kuo, Dwight; Sung, Min-Kyung; Chuang, Ryan; Jaehnig, Eric J; Bodenmiller, Bernd; Licon, Katherine; Copeland, Wilbert; Shales, Michael; Fiedler, Dorothea; Dutkowski, Janusz; Guenole, Aude; van Attikum, Haico; Shokat, Kevan M; Kolodner, Richard D; Huh, Won-Ki; Aebersold, Ruedi; Keogh, Michael-Christopher; Krogan, Nevan J; Ideker, Trey	Science (2010) 330 / 1385-9 Dec 3)	PubMed Citation
Sharing the wealth: Neuroimaging data repositories.	Eickhoff, Simon; Nichols, Thomas E; Van Horn, John D; Turner, Jessica A	Neuroimage 124 / 1065-8 (2016 Jan 1)	PubMed Citation
Subnetwork-based analysis of chronic lymphocytic leukemia identifies pathways that associate with di ...	Chuang, Han-Yu; Rassenti, Laura; Salcedo, Michelle; Licon, Kate; Kohlmann, Alexander; Haferlach, Torsten; Foa, Robin; Ideker, Trey; Kipps, Thomas J	Blood (2012) 120 / Sep 27) 2639-49	PubMed Citation

Supporting read-across using biological data.	Zhu, Hao; Bouhifd, Mounir; Donley, Elizabeth; Egnash, Laura; Kleinstreuer, Nicole; Kroese, E Dinant; Liu, Zhichao; Luechtfeld, Thomas; Palmer, Jessica; Pamies, David; Shen, Jie; Strauss, Volker; Wu, Shengde; Hartung, Thomas	ALTEX (2016) 33 / 167-82	PubMed Citation
The Plasmodium protein network diverges from those of other eukaryotes.	Suthram, Silpa; Sittler, Taylor; Ideker, Trey	Nature (2005) 438 / 108-12	PubMed Citation
Toward Good Read-Across Practice (GRAP) guidance.	Ball, Nicholas; Cronin, Mark T D; Shen, Jie; Blackburn, Karen; Booth, Ewan D; Bouhifd, Mounir; Donley, Elizabeth; Egnash, Laura; Hastings, Charles; Juberg, Daland R; Kleensang, Andre; Kleinstreuer, Nicole; Kroese, E Dinant; Lee, Adam C; Luechtfeld, Thomas; Maertens, Alexandra; Marty, Sue; Naciff, Jorge M; Palmer, Jessica; Pamies, David; Penman, Mike; Richarz, Andrea-Nicole; Russo, Daniel P; Stuard, Sharon B; Patlewicz, Grace; van Ravenzwaay, Bennard; Wu, Shengde; Zhu, Hao; Hartung, Thomas	ALTEX (2016) 33 / 149-66	PubMed Citation
Transcriptional regulation of protein complexes within and across species.	Tan, Kai; Shlomi, Tomer; Feizi, Hoda; Ideker, Trey; Sharan, Roded	Proc Natl Acad Sci U S A (2007 Jan 23) 104 / 1283-8	PubMed Citation

Translation of Genotype to Phenotype by a Hierarchy of Cell Subsystems.	Yu, Michael Ku; Kramer, Michael; Dutkowski, Janusz; Srivas, Rohith; Licon, Katherine; Kreisberg, Jason; Ng, Cherie T; Krogan, Nevan; Sharan, Roded; Ideker, Trey	Cell Syst (2016 2 / 77-88 Feb 24)	PubMed Citation
---	--	--------------------------------------	--------------------